

# CUSTOMER PREMISES EQUIPMENT AUTOCONFIGURATION

## ABSTRACT

A system and method for automatically configuring customer premises equipment, the system including a search module configured to select a set of configuration values and to create a discover packet including the set of configuration values. The discover packet is transmitted to attempt a connection with a network access device. If no response packet is received from the network access device, the search module selects another set of configuration values and creates another discover packet. If a response packet is received from the network access device, the search module stores the correct configuration values from the header of the response packet into a configuration register. A memory stores a subset of all possible configuration values including commonly used values.